In the Abstract:

Abstract of the Disclosure

A ceramic envelope for a high intensity discharge lamp employs the ceramic envelope obtained by integrally ~~molding~~forming each electrode insertion section and at least an end portion of a barrel section. An ~~elliptic like shape of~~elliptical barrel section ~~1~~forms a discharge space and capillary sections ~~2~~are for insetting and fixing a discharge electrode. Further, the capillary sections ~~2 are protruded outward~~protrude outwardly from both ends of the barrel section~~1~~, while facing each other. The ceramic envelope mainly consists of alumina and is burned to exhibit light transmittable ~~property~~properties. Moreover, a boundary of the end portion ~~3~~corresponding to a corner of the discharge space~~,~~ between the barrel section ~~1~~and each of the capillary sections ~~2~~is formed to have ~~an R~~a radius of curvature of 1.0 mm. ~~In this manner, a~~The ceramic envelope is capable of reducing ~~a~~light color ~~change~~changes of the discharge lamp and is capable of extending ~~a~~the service life of the lamp.